

Notice of Allowability	Application No.	Applicant(s)	
	10/015,826	RIDDLE, GUY	
	Examiner	Art Unit	
	Marc D. Thompson	2144	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment after final, received 10/27/2005.
2. ☒ The allowed claim(s) is/are 1-29.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date ____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

MARC D. THOMPSON
MARC THOMPSON
 PRIMARY EXAMINER

DETAILED ACTION

1. This application has been reassigned to a new Examiner. See Conclusion section below, for new Examiner contact information.

Examiner Amendment

2. **Please replace the paragraph located at Page 1, Lines 18-20 with the following:**

-- U.S. patent application Ser. No. 09/198,090, now U.S. Pat. No. 6,412,000, in the name of Guy Riddle and Robert L. Packer, entitled "Method for Automatically Classifying Traffic in a Packet Communications Network." --

3. **Please replace the paragraph located at Page 16, Line 3 with the following:**

-- Traffic class engine 136, in one embodiment, monitors network traffic passing through access link 21 and applies matching rules to identify a traffic class associated with each data flow. In one embodiment, traffic discovery engine 136 creates traffic classes automatically in response to data flows traversing tunnel probing device 30 and stores such traffic classes in traffic classification database. Automatic traffic classification is disclosed in application serial no. 09/198,090, now U.S. Patent No. 6,412,000, which is incorporated herein by reference. In one embodiment, traffic class engine 136 must detect a minimum number of data flows for a given traffic type within a predefined period before it creates a traffic class in traffic classification database 137. In one embodiment, such discovered traffic classes are, by default, attached to or associated with either the "/inbound/autodiscovered/" or "/outbound/autodiscovered/" bandwidth control category, as appropriate. As discussed below, administrator interface 150 allows for configuration of tunnel mechanism controls for auto-discovered and other traffic classes. --

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

The claimed provision for network devices operative to recognize tunnel/capability probe requests and associated probe request responses including transformation tunnel capabilities between discovered network node devices, in combination with the remainder of the claimed invention. In other words, destination nodes/hosts/devices/etc., being actively probed to dynamically discover network devices and any potential compatible transformation tunneling capabilities between the network nodes in an arbitrary network path, returning network address information of compatible tunnel capable nodes to requestor(s) in response to a probe request transmitted over a given communication path in a network was not fairly taught or suggested by the prior art of record. Interpretation of the claimed invention is made in light of the Response, received 10/27/2005, primarily based on the entirety of the arguments set forth on Pages 9-12, including analysis of the previously applied art of record, further in light of the supporting portions of the specification, inter alia, at Page 9, Line 8 through Page 13, Line 26. Likewise, a good exemplary description of probe requests and responses is provided in the instant specification at Page 13, Line 27 through Page 14, Line 21.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Claims 1-29 are allowed.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc D. Thompson whose telephone number is 571-272-3932. The examiner can normally be reached on Monday-Friday, 9am-4pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Cuchlinski, Jr. can be reached at 571-272-3925. The fax phone number for the organization where this application or proceeding is assigned remains 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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